

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056838.D
 Acq On : 14 Dec 2023 14:53
 Operator : MD/SY
 Sample : 05683-02DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J9DL

Quant Time: Dec 15 00:52:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 00:49:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

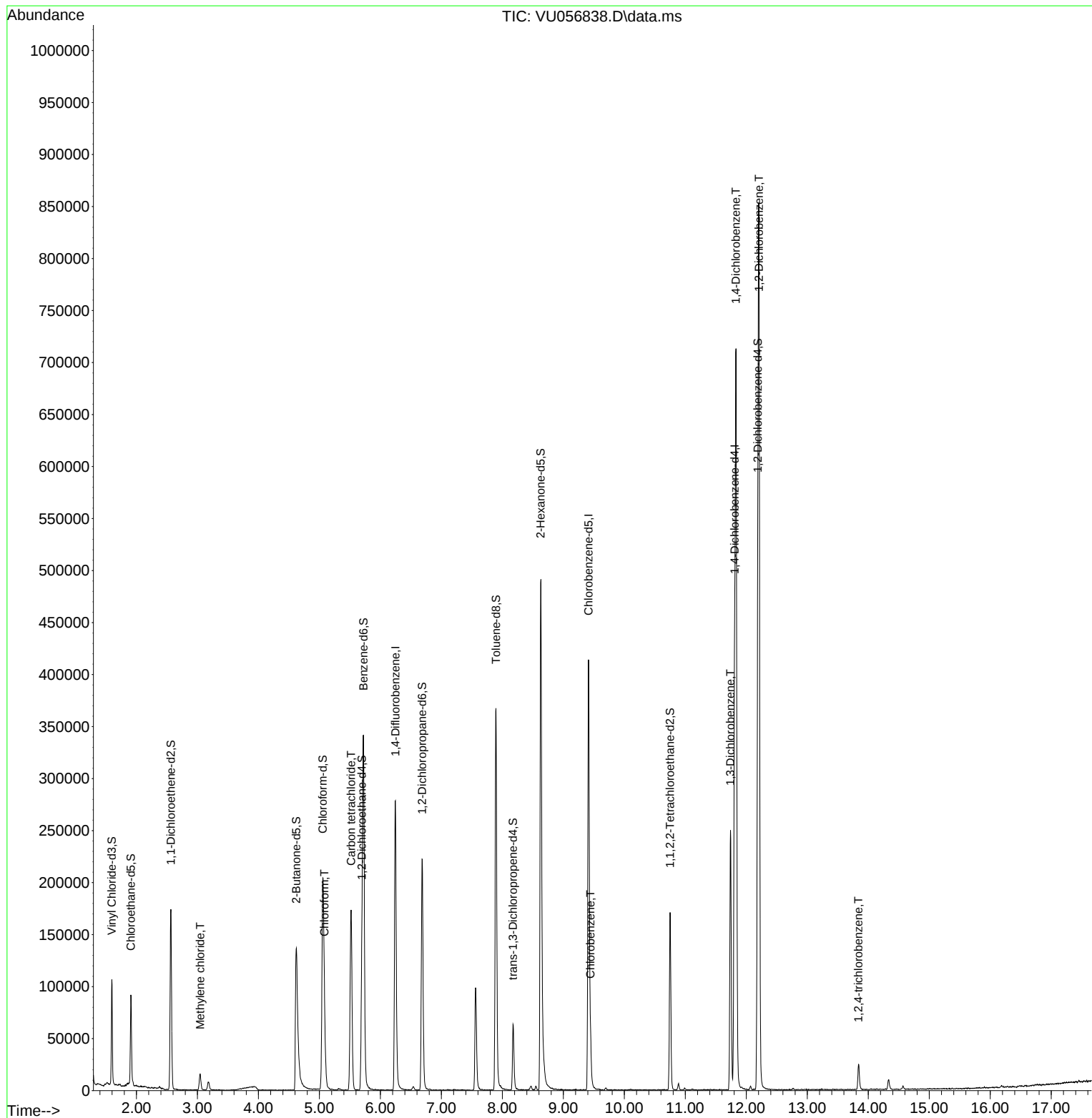
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	229729	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	236294	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101662	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	70960	3.604	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.000%
7) Chloroethane-d5	1.908	69	63380	4.301	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.000%
11) 1,1-Dichloroethene-d2	2.563	65	34556	4.102	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	4.621	46	223395	57.446	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.900%
24) Chloroform-d	5.055	84	185462	4.974	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.695	65	89773	5.088	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	5.721	84	325856	4.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.682	67	111508	4.861	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.894	98	257659	3.933	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	8.174	79	38222	4.296	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.628	63	164468	49.017	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.040%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	85878	5.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	103346	5.171	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
16) Methylene chloride	3.046	84	7905	0.389	ug/L	94
25) Chloroform	5.081	83	54607	1.433	ug/L	97
31) Carbon tetrachloride	5.518	117	123925	4.174	ug/L	99
51) Chlorobenzene	9.444	112	23285	0.425	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	101686	2.676	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	275433	7.362	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	304961	8.811	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	9041	0.398	ug/L	98

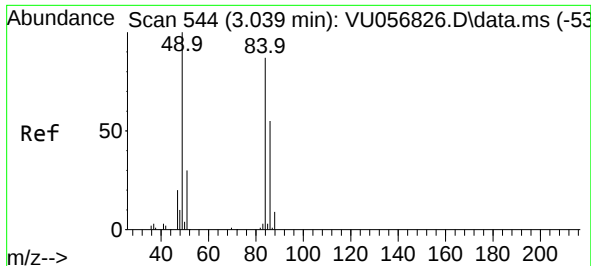
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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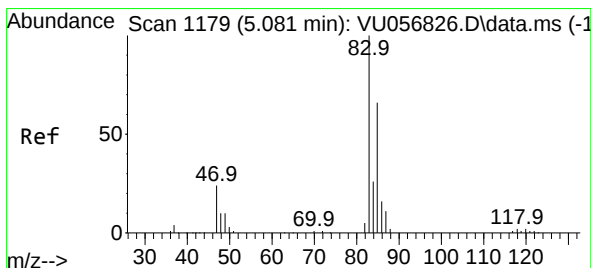
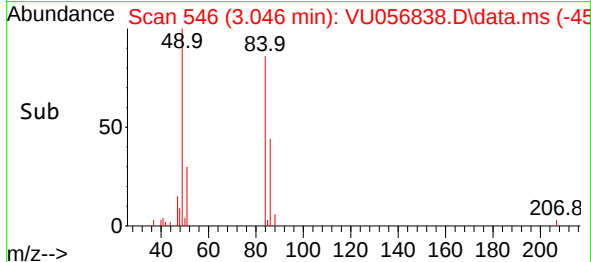
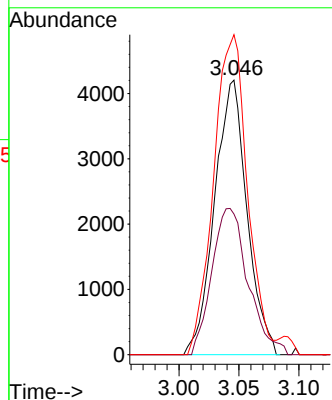
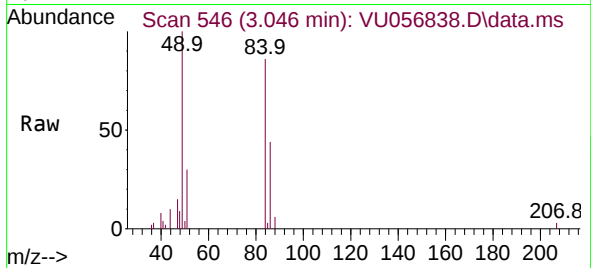




#16
Methylene chloride
Concen: 0.389 ug/L
RT: 3.046 min Scan# 544
Delta R.T. 0.007 min
Lab File: VU056838.D
Acq: 14 Dec 2023 14:53

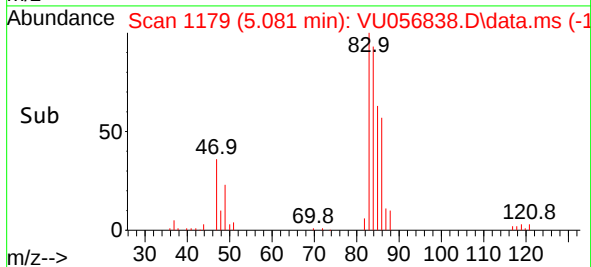
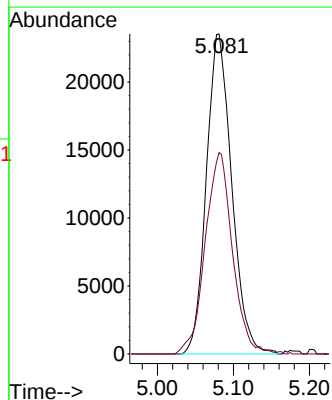
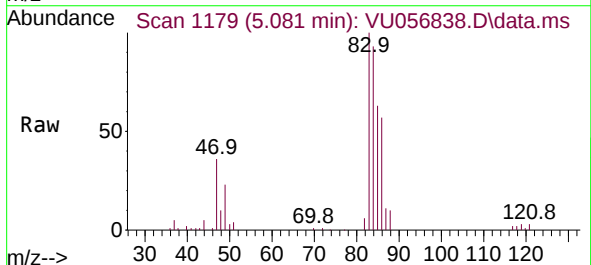
Instrument :
MSVOA_U
ClientSampleId :
E06J9DL

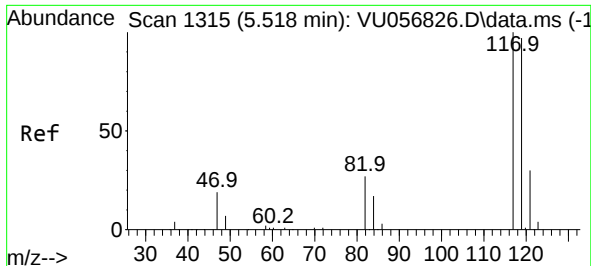
Tgt Ion: 84 Resp: 7905
Ion Ratio Lower Upper
84 100
86 51.2 43.6 81.0
49 116.5 80.6 149.6



#25
Chloroform
Concen: 1.433 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU056838.D
Acq: 14 Dec 2023 14:53

Tgt Ion: 83 Resp: 54607
Ion Ratio Lower Upper
83 100
85 62.9 45.8 85.0

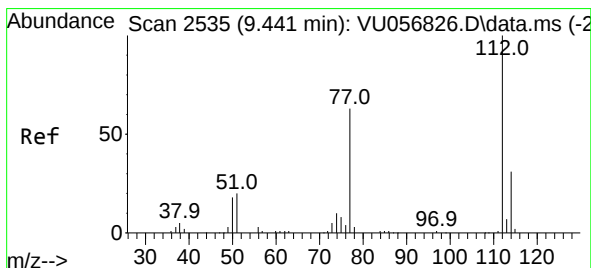
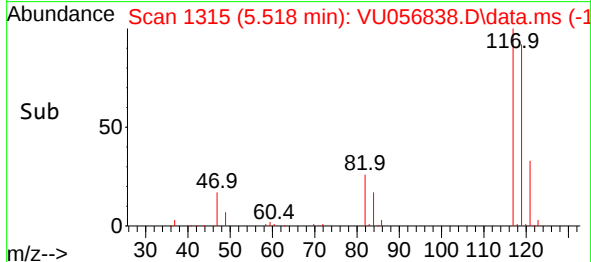
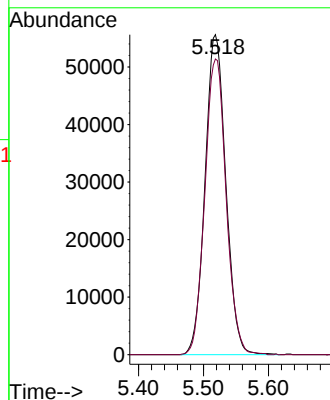
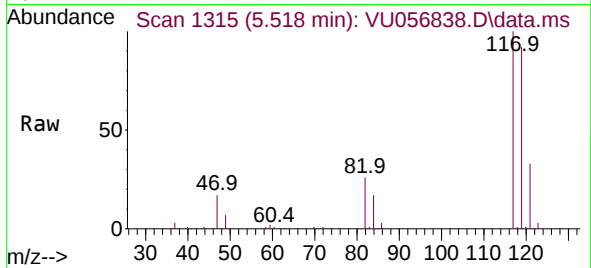




#31
Carbon tetrachloride
Concen: 4.174 ug/L
RT: 5.518 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU056838.D
Acq: 14 Dec 2023 14:53

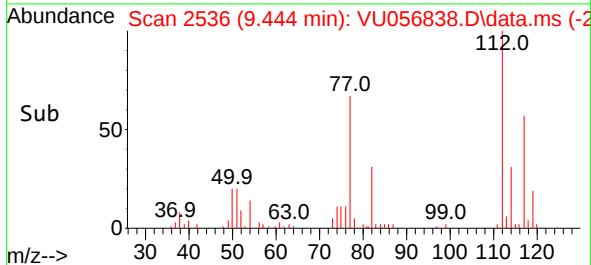
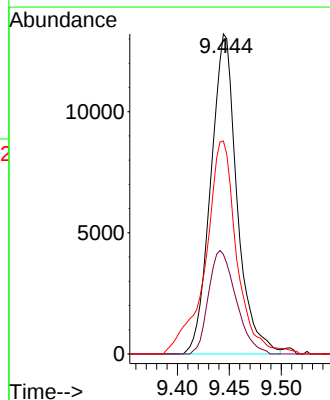
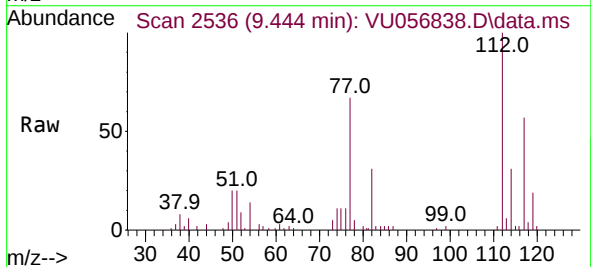
Instrument :
MSVOA_U
ClientSampleId :
E06J9DL

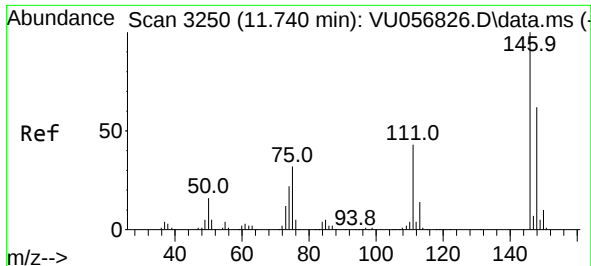
Tgt Ion:117 Resp: 123925
Ion Ratio Lower Upper
117 100
119 94.6 76.2 114.4



#51
Chlorobenzene
Concen: 0.425 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU056838.D
Acq: 14 Dec 2023 14:53

Tgt Ion:112 Resp: 23285
Ion Ratio Lower Upper
112 100
114 31.1 21.9 40.7
77 66.6 51.6 77.4

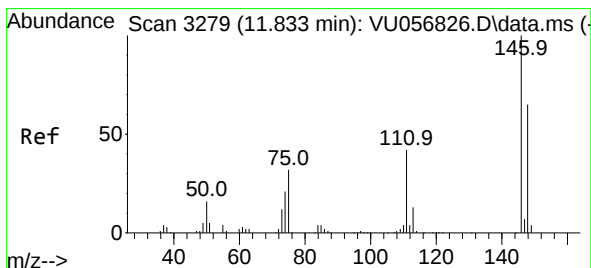
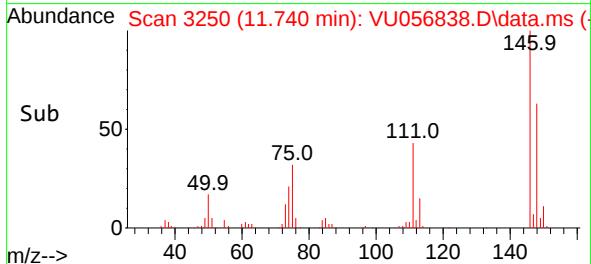
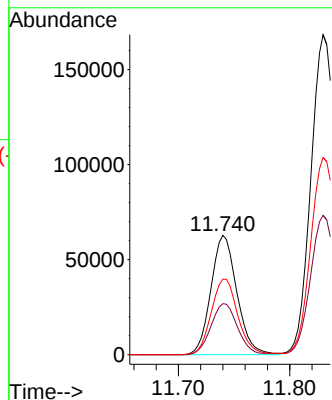
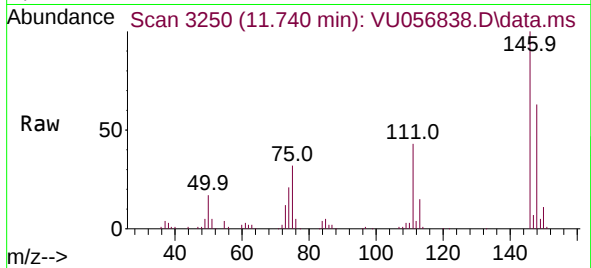




#64
1,3-Dichlorobenzene
Concen: 2.676 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056838.D
Acq: 14 Dec 2023 14:53

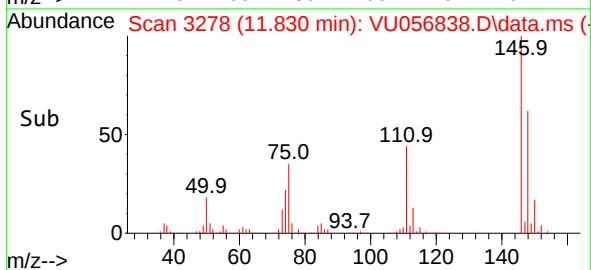
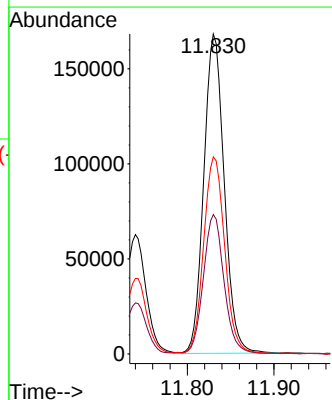
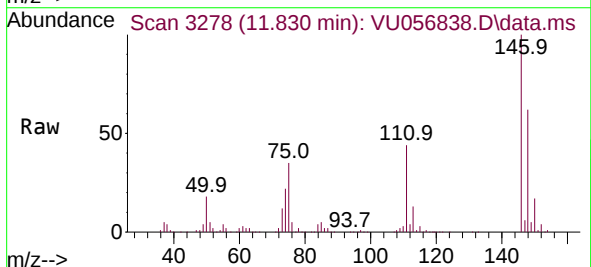
Instrument :
MSVOA_U
ClientSampleId :
E06J9DL

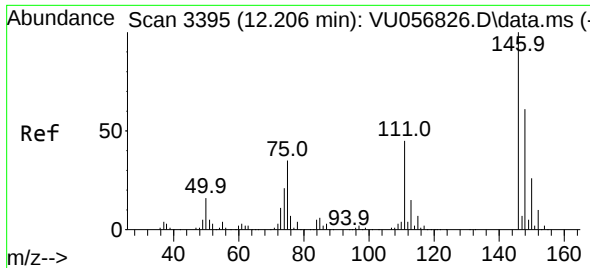
Tgt Ion:146 Resp: 101686
Ion Ratio Lower Upper
146 100
111 42.8 31.7 58.9
148 63.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 7.362 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056838.D
Acq: 14 Dec 2023 14:53

Tgt Ion:146 Resp: 275433
Ion Ratio Lower Upper
146 100
111 43.5 31.2 58.0
148 61.6 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 8.811 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU056838.D

Acq: 14 Dec 2023 14:53

Instrument :

MSVOA_U

ClientSampleId :

E06J9DL

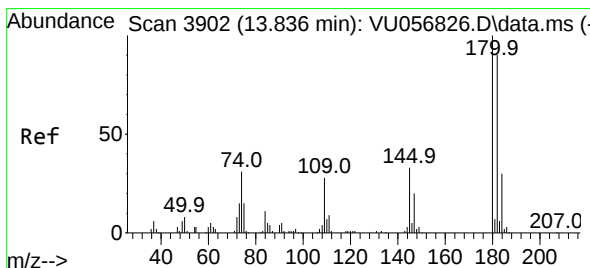
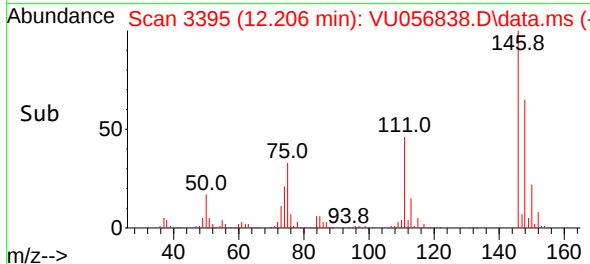
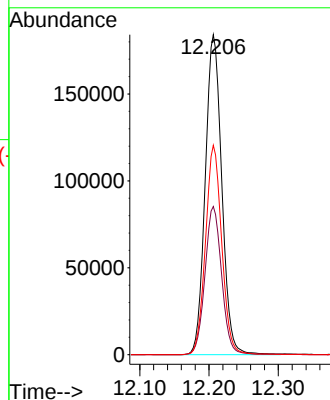
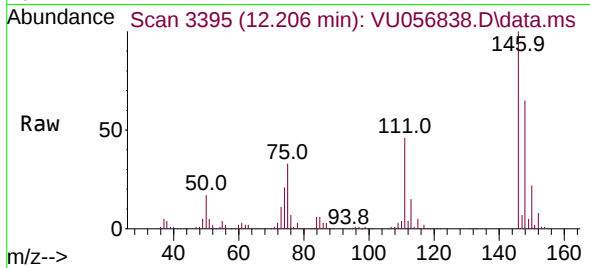
Tgt Ion:146 Resp: 304961

Ion Ratio Lower Upper

146 100

111 46.3 36.9 55.3

148 65.5 53.0 79.4



#70

1,2,4-trichlorobenzene

Concen: 0.398 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU056838.D

Acq: 14 Dec 2023 14:53

Tgt Ion:180 Resp: 9041

Ion Ratio Lower Upper

180 100

182 91.3 74.3 111.5

145 32.2 26.7 40.1

